

The Effect of Moisture Absorption and Its
Delay at Non-Alloyed, Lime-Basic Electrodes, by
E. Kauhausen, S. Sadowski, 19 pp.

GERMAN, per, Schweißen und Schneiden, Vol XI,
No 4, 1959, pp 115-120.

SLA 60-10820

Sci

133,120

OTS, Vol III, No 7

Nov 60

Strength of Welded Connections on Cylindrical
Containers, by H. Reusler, 18 pp.

GERMAN, per, Schweißen und Schneiden, Vol XI,
1959, pp 315-318.

AND Tr-4300

Sci - Engr
24 Feb 61

141,072

Principles and Developments of the Quality Coefficient for
Welded Seams in Pressure Vessels, by E. Rubo.

GERMAN, per, Schweissen und Schneiden, Vol 11, No 59,
pp 409-415.

*JPRS for
US Army Ordnance
Redstone Arsenal, Ala.

Jun 60

Welding of Wheel Rims for Railway Rolling Stock by
Means of Inert Gas Arc Welding, by H. Becker.

GERMAN, per, Schweissen und Schneiden, Vol X,
1958, pp 442-444.

CSIRO

Sci - Min/Met
Aug 62

211, 478

Semi-Mechanical Welding With ~~EM~~ CO₂ Protection
in the Manufacture of Containers and Apparatus,
by Ing. R. Faulstich.

GERMAN, per, Schweißen und Schneiden,
Vol XI, No 8, 1959, pp 319-322.

OSIRO

Sol - Min/Met
Aug 62

211.479

Research on ~~Soft~~ Soft Soldered Joints, by H. Koch,
W. Wasserbach.

GERMAN, per, Schweissen und Schnitten, Vol XII,
1960, pp 2-10.

*AEC

Sci - Engr
Aug 62

Fatigue Tests on Notched Specimens Filled in
by welding, by Wolf.

GERMAN, per, Schweissen und Schneiden,
Vol XII, No 1, 1960, pp 10-14.

GB/2114173

Sci
Dec 62

ETS

Prüngel, P.
STORED ENERGY WELDING. (1961) (11 p. (11 figs.
omitted) 2 refs.
Order from SIA \$1.60

61-16160

Trans. of Schweißen und Schneiden (West Germany)
1960, v. 12, no. 1, p. 14-18.

DESCRIPTORS: *Electric welding. *Resistance,
Instrumentation, Electrical equipment.

(Machinery--Manufacturing, TT, v. 6, no. 3)

61-16160

1. Title: Impulse welding
 2. Title: Condenser impulse
welding
 3. Title: Stored energy
welding
1. Prüngel, P.

175246

Office of Technical Services

Metallurgical Considerations in the Welding of
Stainless and High-Temperature Steels, by
A. Bernstein.

GERMAN, per, Schweißen und Schneiden, No 2, 1960,
pp 55-61.

BISI 1811

Sci - Engr

Oct 60

127,131

Welding and Cutting With Electron Beams, by K. H.
Steigerwald.

GERMAN, per, Schweissen und Schneiden, Vol XII,
No 3, 1960, pp 1-7.

AEI 7/1592

Sci - Engr

133,894

Dec 60

**Welding Studies on an AlZnMg Alloy with special
Emphasis on the Crack Sensitivity of the Weld,
by K. P. Madrack, 22 pp.**

GOVERNMENT USE ONLY

**GERMAN, per, Schweissen und Schneiden, Vol. 12,
No 2, 1960, pp 45-55**

RSIC-788

**EE
Sci/Mat
May 68**

342,513

Welding and Cutting With Electron Beams, by
K. H. Steigerwald.
GERMAN, per, Schweissen und Schneiden,
Vol XII, No 5, 1960, pp 89-95.
Dept of Navy Tr 4486/APL/JIU T-1616

296,465

Sci-Electronics
Feb 66

A Contribution to the Problem of Determining
Acetylene Losses in Gasometers, by M. Maier.

GERMAN, per, Schweissen und Schneiden, Vol XII,
No 3, 1960, pp 112, 113.

*TIL T 5167

Sci - Chem

Jan 61

Chemical-Metallurgical Studies on Welds, by
H. Born.

GERMAN, per, Schweissen und Schneiden, Vol XII,
Apr 1960, pp 139-145.

BISI 2025.

Sci - Engr

Jul 61

161,051

Economy of Flame-Cutting Methods. Section 6 From
Rationalisierung im Schiffbau Durch Brennscheiden
(Application of Flame-Cutting in Ship Construction),
XX by E. Koops, J. Bantfeldt. UNCL

GERMAN, per, Schweißen und Schneiden, Vol XII, No 6,
1960,

Naval Tr 2822/Bu, Ships 727

Klar - Germany
Moon
Jul 61

160,686

62-14345

Brunst, W.
**SPECIAL MACHINERY AND MECHANIZATION OF
WORK STAGES IN RESISTANCE WELDING. [1962]**
15p. (25 figs. refs. omitted).
Order from SLA \$1.60

62-14345

Trans. of Schweissen und Schneiden (West Germany)
1960, v. 12, no. 10, p. 438-440.

DESCRIPTORS: Machines, Automation, Resistance,
*Welding, Welded joints, *Electrodes, Electric
welding, Feed mechanisms.

Data are presented on circular transfer lines for work-
pieces, straight transfer lines for workpieces, work-
piece feed, welding tools, ejecting the workpieces,
examples of machines, and cost of special machinery.

(Metallurgy. TT, v. 8, no. 7)

1. Brunst, W.

Office of Technical Services

62-14344

Brunst, W. and Bauer, K.
EFFECT OF ELECTRODE SPACING ON WELDING
CURRENT IN TWIN SPOT WELDING. [1962] 6p.
(10 figs. refs. equations omitted).
Order from SLA \$1.10 62-14344

I. Brunst, W.
II. Bauer, K.

Trans. of Schweißen und Schneiden (West Germany)
1960, v. 12, no. 10, p. 433-436.

DESCRIPTORS: Electrodes, Electric welding, *Spot
welding, Sheets, Oscillographs, *Welding

(Metallurgy, TT, v. 8, no. 7)

Office of Technical Services

Piwowar, S.

TECHNOLOGICAL DETAILS OF ELECTRON BEAM WELDING [Technologische Besonderheiten beim Elektronenstrahlschweißen]. [1961] [3]p. 1 ref.
Order from SLA \$1.10 61-10867

Trans. of Schweißung und Schneiden (West Germany) 1960 [v. 12, no. 10] p. 457-458.

DESCRIPTORS: *Electron beams, Focusing, Electrostatics. *Electric welding, Electronic equipment, Zone melting, Titanium, Manufacturing methods

Experiments showed that the size of the melting zone can be controlled within wide limits through the application of electrostatic focusing by adjustment of the distance between the edge of the focusing cathode shield and the cathode spiral. (Author)

(Machinery--Manufacturing, TT, v. 7, no. 4)

61-10867

I. Piwowar, S.

Office of Technical Services

Investigation Into the Weldability of Various
Grades of Plate Under the Protection of CO₂,
by R. Glockner, E. Wirts.

GERMAN, per, Schweissen und Schneiden, Vol XII,
No 11, 1960, pp 482-485.

BISI 2261

Sci - Engr

Jul 61

162,752

Investigation into the Weldability of Various Plate
Materials Under the Protection of CO₂, by R. Glocker,
H. Wirtz.

GERMANY, per, Schweissen Schneiden, Vol XII, No 11,
1960, pp 482-484.

g
#BISI 2241

Sri -

Jan 61

Manufacture and Properties of Atomised, Stabilized
Ferro-Silicon, by K. Feldmann, K. Frank.

GERMAN, per, Schweissen und Schneiden, Vol XII,
Dec 1960, pp 514-517.

BISI 2321

Sci - Chem

171,397

Oct 61

Research on Soft-Soldered Joints: A Contribution
to the Development of Suitable Testing Methods for
Static and Dynamic Strength, by H. Koch,
W. Maccerbach, 21 pp.

GERMAN, per, Schweissen und Schneiden, Vol XII,
1960, pp 2-10. 9201276

AEC-tr-5469

Sci - Engr

Jan 63

519,927

Root Welding of Heavy Duty Pipe in Low and
High Alloy Steel, by R. Faulstich.

GERMAN, per, Schweißen und Schneiden, Vol. XIII,
1961, pp 110-114, 160-165.

EBI 3044

Sci - N/M
Feb 63

222,540

Temperature, Material Transfer and Physical
Properties of Slags of Unalloyed Welding
Electrodes, by W. Hummelsch.

GERMAN, per, Schweißen und Schneiden, Vol XIII,
May 1961, pp 187-195.

BIBI 2617

Sci - Phys

196,172

May 62

List 133

**Residual Stresses and Buckling and Their Effect
on the Behaviour of Steel Structures, by A.
Ehrig.**

**GERMAN, par, Schweissen Schneiden, Vol 14,
Jan 1968, pp 3-11.**

***BIBI 5351**

**Sci - Behavioral and Social Sciences
Feb 67**

Strain Patterns on Welded Junctions Between Flat Bars and Angle Irons as Load Carrying Members, by D. Spangenberg.

GERMAN, per, Schweißen und Schneiden, Vol XIV, No 1, 1962, pp 14-23.

RISI 2695

Sci - Engr

211,202

Aug 62

list 14⁷_A

High Frequency Tube Welding With Energy
Transmission Through Contacts, by E. Gorissen.

OKROAN, per, Schweissen und Schneiden, Vol II,
Feb 1962, pp 69-71.

BIBI 2946

Sci - Engr

Jan 63

list 157

2-1-63

Operating Principles for Gas-Shielded Metal
Arc Welding, by W. Mantel.
GERMAN, per, Schweissen und Schneiden, Vol 14,
No 2, 1962, pp 72-79.
NTC-71-12464-13H

Nov 71

Microfissures in Low Alloy Welds and Method of Hydro-
gen Determination in Weld Metal Immediately
After Deposition, by W. Hummetsch, S. Dittrich.

GERMANY, *ger*, Schweißen u. Schneiden, Vol~~XXX~~ XIV, 1962,
pp 97-104.

✓
BISI 3117

Jei - 1/11
PAC 13

New Aids for the Ultrasonic Testing of Welds,
by V. Deutsch, H.-J. Schinke.

GERMAN, per, Schweißsen and Schneiden,
Vol XIV, No 3, 1962, pp 109-111.

IB 5603

Sci-W/M
Apr 63

229,375

Recommendations for the Assessment of Radiographs
of Welds in Shipbuilding, by J. Hansen, L. Raudenkorb

GERMAN, per, Schweißen and Schneiden, Vol XIV,
No 11, 1962, pp 480-482.

MBISI 3389
9

Sci - Engr
Sep 63

Thermal Processes in the Heat Affected
Zone During Arc Welding of Structural
Steels, by G. Tschentke, R. Killing.
GERMANY, per, Schweissen Schneiden,
Vol 15, Jul 1963, pp 345-352.
BIBI 3902

Sci/M&H
Sep 65

289,340

**Possible Causes of False Crack Indication in the
Magnetic Particle Inspection of Welded Joints, by
Eva Coermann.
GERMAN, per, Schweißen und Schneiden, Vol XVI,
No 3, 1964, pp 90-92.
HB 6283**

**Sci - Engr
Nov 64**

268,486

Discussion of the Question: How Can the
Quality of Butt Welds be Improved,
without Back-Chipping and Backing Runs?
by G. Stolp.
GERMAN, per, Schweißens und Schneiden,
Vol 16, Nos 5 & 7, 1964, pp 69-76 & 104-105.
DTIC 3926

EE-Cor
Dec/76
Apr 65

276,400

Investigations Into the Relief of Welding Stresses by
Mechanical Jolting, by H. Bühler, H. G. Pfäzgraf,
GERMAN, *per*, Schweißen und Schneiden, Vol XVI,
No 5, 1964, pp 178-183.

HB 6313

CR L/T. 3735

Vol. 17, 203, 1969

Sci - Engr

Nov 64

268,487

Experience with High Alloy Steels for Boiler
Construction and Their Welding, by M. Muller,
H. K. Nautz.

GERMAN, per, Schweissen Schneiden, Vol 16, Jun
1964, pp 228-233.

SI 5455

Sci/Materials
May 67

322,530

Investigations into the Oxygen Cutting Jet
in Relation to Scoring during Flame Cutting,
by W. Scheicher.
GERMAN, per, Schweißen und Schneiden, Vol 16,
No 7, 1964, p 284
MIL Ref: 5828.47 (7149)

Sci-Mechanical
July 68

360,845

Material and Heat Balances for Oxy-Acetylene S
Scarffing and Cutting of Low-Carbon Steels, by
A. K. Nienburg.

GERMAN, per, Schweisstechnik, Vol III, No 3,
1953, pp 38-42.

ATS 610-GJ

Sci - Engr

Sep 60

124,951

The Thermal-Spraying of Plastics, by Hermann
Schwarz, 10 pp.

GERMAN, per, Schweisstechnik, Vol IV, No 9,
Sep 1954, pp 270-272.

ATIC F-13-8772/III

Sci - Chemistry

33,240

Apr 56

<p>Schiebhorn, W. SAVING OF FUEL GAS DURING FLAME CUTTING. [1962] 15p. Order from SLA \$1.00 62-2006</p> <p>Condensed trans. of Schweißtechnik (Germany) 1955, v. 5 [no. 6] p. 176-178.</p> <p>DESCRIPTORS *Fuels, *Gases, *Cutting torches, Economics, Oxygen, *Acetylenes, *Hydrogen, Operation.</p> <p>(Machinery--Manufacturing, IT, v. 9, no. 12)</p>	<p>62-2006</p> <p>1. Schiebhorn, W.</p> <p>Office of Technical Services</p>
---	---

Erdmann-Jesnitzer, F. and Klaas, H.
CONTRIBUTION TO THE STABILIZATION OF BARE-
WIRE-ARCS. [1962] [17]p. 6 refs.
Order from SLA \$1.60

62-20097

Trans. of Schweisstechnik (Germany) 1955, v. 5, no. 7,
p. 193-198.

DESCRIPTORS: *ARC welding, *Electrodes, Stabiliza-
tion, Aluminum alloys, Aluminum coatings, Coatings,
Salts, Potassium, Sodium, Barium, Lithium, Strontium

The purpose was to find out whether the arc stability
of bare wire of the composition 0.06-0.12%C,
~0.06%Si, ~0.5 to 0.7%Mn, <0.03%P, <0.03%S
could be improved by adding Al to the filler wire
either as an alloying element or as a separate coating,
and, further, whether stabilization can be obtained by
very thin coatings containing readily ionizable elements.
(Machinery--Manufacturing, TT, v. 10, no. 5) (over)

62-20097

I. Erdmann-Jesnitzer, F.
H. Klaas, H.

Office of Technical Services

Aids and Appliances for Flame-Cutting, by H. Hofe,
11 pp.

GERMAN, per, Schweisstechnik, Vol IX, No 1,
Jan 1955.

SIA Tr 1991

50,034

Sci - Eng
Jul 57

The Welding Without Preheat of Alloy Steels
in the Chemical Industry, by W. Gilder. UNCL

GRANDIN, par, Schweißtech, No 6, 1959,
pp 64-67.

BWRA Tr 12/59
British Welding Research Association
Abington Hall
Abington, Cambridge

Sci - Chem
Jan 60

106,747

Contribution to the Metallurgy of Electro-Slag
Welding, by F. Erdmann-Jeandrus, G. Kammeler.
GERMAN, per, Schweisstechnik, No 8, 1958,
pp 88-92.
BISI 3793

Sci - Engr
Sep 64

267,026

**Bursting Tests on Structural Steels Free From
Brittle Fracture, by H. Huttmann.**

**GERMAN, par, SchweiBtechnik, Vol XIII, Feb 1959,
pp 13-19.**

ISI 2429

Sci - Engr

182,641

Feb 62

list 117

R-42-0

Spot and Seam Welding of Aluminum Alloys,

GERMAN, per, schweisstechnik, Vol XIV, Mar 1960,
pp 25-30.

*JPRS for Army Rocket and Guided
Missile Agency

Sci-*tech* *ref*

Mar 61

Experiments on the Automatic Ultrasonic Testing of
Welds, by J. Angres.

GERMAN, per, Schweisstechnik, No 4, 1960, PP
124-127.

BISI = 1880

Oct - Engr

Oct 60

129,123

**Symbols, Classification and Quality Standardization
for Submerged Arc Welding Powders, by
G. Becker.**

**GERMAN, per, SchweiBtechnik, Vol I, No 3, 1960,
pp 175-178.**

RIISI 2278

Sci - Engr

168, 472

Sep 61

List 108

Testing of Weldments at High Temperatures
by Means of a Cooled Cassette, 18 pp. r.

GERMAN, per, Schweisstechnik, No 4, 1961,
pp 146-151. 9671149

FED MEL-1395/1

Sci - Phys

171, 442

23 Oct 61

Condenser Discharge Welding, by
Johannes Wochard, Hans-Dieter Wendler, 9 pp.

GERMAN, Ger, Schweisstechnik, No 5, 1961,
pp 205-205. 2870613

FTD MCI-13-6/1

Sci - Electron

174, 768

29 Nov 61

Reduction in Weld Cracking of Various Aluminum
Alloys by Means of Alloying Elements, by Zoltan Buray.
GOVERNMENT USE ONLY
GERMAN, per, Schweisstechnik, Vol XII, No 4, 1962,
pp 1347-163, 9693512
DDC RSIC-254

Sci - M/M
Jan 65

270,696

Problems Encountered in Submerged Arc
Welding, by E. Kauhausen, P. Muller.
GERMAN, per, Schweisstechnik, Vol 23,
1962, pp 39-44.
BISI 4153

EE-Cor
Sci/HGI
May 65

279,552

Ultrasonic Testing of the Adhesion and Homogeneity of
Sprayed Metal Deposits, by K. Hohne.
GERMAN, per, Schweißtechnik, Vol XIII, No 9, 1963,
pp 403, 404.
HB Tr No 6250

Sci - M/M
Feb 65

274,994

Nondestructive Testing Equipment and
Testing Instruments, by F. Gulf, 7 pp.
GREAT, for Schweisstechnik, No 6, 1962,
pp 659-261. 9697150
FID-TT-64-1332

Sci-Engr
Jun 65

282,246

Possibilities of the Nondestructive Testing of
Sprayed-Metal Deposits, by K. Hahn.
GERMAN, per, *Wissenschaftlich-Technische Zeitschrift*
Vol 18, No 2, 1968, pp 88-90.
HB 6268

EE-Germany
Sci/M&M

May 68

278,494

Schwarz, H.
IMPROVEMENT OF THE FATIGUE STRENGTH OF
WELDED STRUCTURES BY PLASTIC COATING.
[Jan 64] [13p] 12refs
Order from SLA \$1.60

TT-64-14268

Trans. of Schweiotechnik (Austria) 1963, v. 17,
no. 3, p. 61-66.

(Metallurgy, TT, v. 11, no. 12)

TT-64-14268

I. Schwarz, H.

Office of Technical Services

Possibilities of the Ultrasonic Testing
of Layers of Metal Spray with Respect
to Adhesion and Homogeneity, by
Kurt Hockne, 8 pp.

Univ. An. Ser. Schweisstechnik, no 8,
1965, pp. 403-404. 9697154
FTD-TT-64-1334

Sci-7/
Jun 65

282,216

Problems Encountered in Submerged Arc Welding,
by E. Buh usen, P. Muller.
GERMANY, per, Schweisstechnik, Vol 23, 1962,
pp 33-44.
GB 41/4152 120s 04.

Sci -
Aug 67

335,801

Selection of Suitable Steels for Welded
Structure with Special Reference to Brittle
Fracture, by R. Wilscher.

GERMAN, per, Schweißtechnik, 1964, 18,
Mar., 42-43.

*BISI 3980

Sci/Int & Nat
Mar 65

Reactions Between Flux and Wire in Sub-
merged Arc Welding. Effect of the
Chemical Elements on the Ductility of
Weld Seams, by W. Hummetsch.
GERMAN, per, Schweisstechnik (Vienna),
Vol 18, May 1964, pp 61-66.
DISI 4216

68 45

Sci/PHI
Sep 65

289,295

**Raising the Durability of Heavily Rusted Sheet Metal
by Plastic Coating and Possible Use of Plastic Foam,
by Werner Gille, Gerhard Müller, et al, 6 pp.
GERMAN, per, Schweis Technik, No 6, 1964,
pp 265, 266.
ACSI I-5653
ID 2204043264**

Sci - M/M
Oct 64

267,657

Planning and Organization of Assault Rifle Production,
7 pp. UNCL.

GERMAN, bk. Schweizerische Handelszeitung, 12 Nov
1959.

ACSI H-6418
ID 2144864

EEur - Germany

Econ

Aug 60

123,107

**The Acoustics of Education, by W. Furrer.
GERMAN, per, Schweitzer Archiv, July 1946,
pp 213-219.
ACBI J-6871
WEC-ET-23-798-68**

**Sci-Phys
Sept 69**

391,288

Bucher, K. and Emmenegger, H.
MIXTURE OF THE BLOOD OF THE SYSTEMATIC
VEINS IN THE PULMONARY CIRCULATION (Über die
Mischung des Blutes der Körperveuen im Lungmkreis-
lauf) tr. by P. Hajdu, 29 Apr 60, 19p. 6 refs. NHI no.
4-29-60.

Order from OTS or SLA \$1.60 60-17484

Trans. of Schweizerische Akademie der Medizinischen
Wissenschaften. Bulletin [1951] v. 7, no. 5/6,
p. 418-429.

DESCRIPTORS: *Blood, *Blood circulation, *Heart,
*Lungs.

Intravenous injections of water insoluble globules tagged
with radioactive phosphorus were administered to rab-
bits, to determine whether or not the resulting lung
(Biological Sciences--Physiology, TT, v. 6, no. 9)
(over)

60-17484

I. Bucher, K.
H. Emmenegger, H.
III. NHI-4-29-60
IV. National Institutes of Health,
Bethesda, Md.

185069

5-11-61
Office of Technical Services

Microbiological Problems Concerning the
Etiology of the Endemic Goitre, by F. Blum,
W. Tatarka, 4 pp.

GERMAN, per, Schweiz A Allg Path u Bakt,
Vol XVIII, No 1, 1955, pp 32-37.

MIN 3-69-62

198,612

Sci - Med

Jun 62

CONTRIBUTION TO THE MORPHOLOGY OF THE PATHOLOGICALLY
ALTERED HUMAN THYROID GLAND IN THE ELECTRON MICROSCOPE.
COMPARISON WITH THE NORMAL THYROID GLAND OF THE RAT
AND THE THYROID GLAND ALTERED BY MEANS OF
PROPYLTHIOURACIL, BY BERNARD GARNIER, L2 PP.

GERMAN, PER, SCHWEIZ Z FUR ALLGE PATH UND BAKT,
VOL XIX, NO 2, 1956, PP 129-149.

NIH 6-43-62

SCI - MED

208,78L

AUG 62

S-150/64

Psychopharmaceutics, by A. Cerletti, E. Schlager,
et al.

GERMAN, per, Schweizer Apothekerzeitschrift,
Vol CI, No 7, 1963, PP 212-238.

⁴
*JPRS/DC-10257/Special

ETS 1
Jan 64

S-150/64

Clinical Aspects of the Use of Delyside and
Indocybine In Psychiatry, by B. W. Alhadeff.

(faint)
FRENCH, 'per, Schweizer Apothekerzeitschrift,
Vol CI, No 7, 1963, pp 245-250.

(handwritten mark)
*JPRS/DC-10257/Special

Sci
Jan 64

After "Anti-Fear Drugs", now "Indifferent Pills.", by X V. Abadi.

GERMAN, par, Schweizerische Apotheker-Zeitung, Vol XXIV, 1956, pp 476-478.

OSIRO

Sci - Med, Chem
Jun 62

199,605

Psychopharmaceutic Agents. Report 4. Psychody-
sleptics, by A. Cerletti, et al.
FRANCO, per, Schweiz Apoth Zeitung, Vol 101, 1963,
pp 210-240.
HE. NDI 9-2-66

Sci/BSH
Nov 66

314,258

TT-63-20999

Tripod, J.
MUST A DRUG BE INNOCUOUS? THE EUROPEAN
ASSOCIATION FOR THE STUDY OF TOXICITY OF
MEDICAMENTS ALSO TRIES TO ANSWER THIS
QUESTION (Un Médicament Doit-il Être Inoffensif?
L'Association Européenne pour l'Etude de la Toxicité
des Médicaments Essaie Aussi à Répondre à Cette
Question). Aug 63, 6p 2refs
Order from SLA \$1.10 TT-63-20999

1. Tripod, J.

Trans. of Schweizerische Apotheker-Zeitung, 1963,
v. 101, p. 364-365

DESCRIPTORS: Drugs, *Toxicity, Standards,
*Biological assay

(Biological Sciences - Pharmacology, TT, v. 11, no. 5)

Office of Technical Services

C
Ceramic Dielectrics , by W. Soyek, 12 p.

—ZfEBB, per, Schweizer Archiv Angew Wissenschaft, und
Technik, 1936, Vol II, No 7, pp 159-166.

SLA 99-20483

Sci
Apr 60
Vol III, No 3

112,006

The Absorption of Moisture by Organic Fibres, by
A. Engeler, J. Friedli, 14 p.

GERMAN
- *5858*, *per*, Schweizer Archiv für Angew. Wiss. und Tech.,
1936, Vol II, No 11, pp 265-273.

SLA 59-15294

Sci
Dec 59
Vol 2, No 6

103, 947

Stress Concentration in Cold Power-Riveting,
by H. Koshig.
GERMAN, per, Schweizer Archiv, Vol III,
No 2, 1937, pp 41-46. 9696651
DDC NSIC 384

Sci-Engr
Nov 65

292,879

Aging of Materials, by H. Stager, 11 pp.

~~SWISS~~, Per, Schweizer Archive für Angew Wiss
und Technik, 1937, Vol XIII, No 6, pp 147-157.

SLA 59-15303

Sci
Nov 59
Vol 2, No 3

101,033

**Development and Present-Day Status of Photoelasticity
and Photoelasticity Within the Framework of
Experimental Work on Elasticity in General, by
R. V. Band.
GERMAN, per, Schweizer Archiv fur Angewandte
Wissenschaft und Technik, Vol IV, No 1, 1938, pp 1-16.
9694651
DDC RSIC-200**

Sci - Phys
Oct 64

268,320

A New Type of Calculating Machine and Some
Auxiliary Equipment, by P. Fischer, 30 pp.

GERMAN, per, Schweiz Arch Angew Wiss u Technik,
Vol V, 1939, pp 74-84.

SLA Tr 57-2320

Sci

Aug 58

68,75

Mathematical Integration of Surface Roughness,
by P. Nicolson, 35 p.

~~SECRET~~
Zentralblatt für Mathematik, Schweizer Archiv für Angewandte
Wissenschaft und Technik, 1939, Vol V, No 10,
pp 277-300.

BLA 59-17019

Bel
Det 50
Vol 2, no 6

100,045

New Elasticity Theory of the Deformation Process and
Stresses in Solid Substances, by H. Brandenberger.

HERMAN, per, Schweizer Archive fur Angewandte
Wissenschaften und Technik, Vol VII, 1941.

SLA 62-10929
AEC Tr 61

16,508

Scientific - Physics

On High Precision Electrical Calculating Devices
With Special Consideration of a New Distance
Measuring Set for the Mobile Artillery (Verograph),
by F. Fischer, 42 pp.

GERMAN, per, Schweiz Arch Angew Wiss u Technik,
Vol VIII, No 1, Jan 1942, pp 1-15.

SLA Tr 57-2309

Sci

Aug 58

68,706

Negative Resistances, by W. Anrein, 60 pp.

GERMAN, per, Schweiz Arch Angew Wiss u Tech,
Vol VIII, Mar-May 1942, pp 85-89, 109-122,
152-157.

SLA Tr 57-1595

Sci - Electricity

54,496

Oct 57

Non-Destructive Material Testing, by E. Brandenberger,
7 pp.

GERMAN, per, Schweiz Arch Angew Wiss u Tech, Vol
VIII, No 5, May 1942, pp 157-163.
H

SLA 58-441

Sci

Aug 59

95,180

<p>RUSSELL, M. A. SMELTING IRON ORE IN THE ELECTRIC LOW SHALT FURNACE. [unclear] pp. 7-10 Coke & Iron. A. I. M. S. No. 4031. 1911. 60 18995</p> <p>Translated & annotated by: [unclear] [unclear] [unclear] Technical School, 1911. v. 11 [unclear] p. 87-91</p> <p style="text-align: right;"><i>1911 p. 7-10</i></p>	<p>60 18995</p> <ol style="list-style-type: none">1. Iron ore - melting2. Electric furnaces - Performance3. Fuel - Low-shalt furnace4. Russell, M. A.
<p>(S. 100-100-1-1)</p>	<p>Office of Technical Services</p>

Filters of Exceptional Band Widths Obtained by
Means of Grown Crystals, by W. Bantle, B. Matthias,
P. Scherrer, 14 pp.

GERMAN, per, Schweiz Arch Wiss u Tech, Vol XI,
No 6, 1945, pp 161-164.

SLA Tr 57-629

Sci - Electricity

50,560

Aug 57

Weisz, A.
OSCILLATING SYSTEMS: ENGINE OPERATING
MACHINE. [1962] 6p. (figs. tables formulae omitted).
Order from NSA SL 10 67-10048

Trans. of Schweizer Archiv für Angewandte Maschinen-
schaft und Technik [1946 [v. 12, no. 3] p. 96-100.

DESCRIPTORS: Internal combustion engines, Machines,
Vibration, Flywheels, Speed functions, Oscillation.

(Machinery - Engines, FI, v. 10, no. 3)

67-10048

J. Weisz, A.

Office of Technical Services

Brunner, R.
THE P-T DIAGRAMS FOR THE SYSTEMS $\text{SiO}_2 + \text{C}$
AND $\text{Al}_2\text{O}_3 + \text{C}$. [1962] [20]p. 14 refs.
Order from NLA \$1.00 62-20052

Trans. of Schweizer. Anst. für Angewandte
Wiss[schaft] u[nd] Tech[nik] 1946, v. 12, [no. 6]
p. 187-194.

DESCRIPTORS: *Silica compounds, Oxides, *Alu-
minum compounds, Oxides, *Carbon, Phase studies,
Thermodynamics, Dissociation, Pressure, Temper-
ature, *Aluminum, Production.

The P-T diagrams of the systems $\text{SiO}_2 + \text{C}$ and
 $\text{Al}_2\text{O}_3 + \text{C}$ were completed and corrected. For the
system $\text{SiO}_2 + \text{C}$, it is shown that up to 2000° the for-
mation of silicon occurs via the two intermediate steps,
 $\text{Si}_2\text{C}_2\text{O}_5$ and SiC . For the system $\text{Al}_2\text{O}_3 + \text{C}$, the
(Chemistry - Physical, II, v. 9, no. 12) (over)

62-20052

I. Brunner, R.

Office of Technical Services

The Acoustics of Detonation, by W. Furrer.
GERMAN, per, Schweitzer Archiv, July 1946,
pp 213-219.
*ACSI J-6271
FSTC-HT-23-792-68

EEur
M11
Mar 69

<p>Stalger, H. and Held, F. INFORMATION ON THE SOFTENING OF POLY- VINYL CHLORIDE. 15 Mar 47, 13p. (figs. tables refs. omitted). Order from SLA \$1.60 62-20357</p> <p>Trans. of Schweizer Arch[iv für Angewandte Wissen- schaft und Technik] 1946 [v. 12, no: 9] p. 278-288.</p> <p>DESCRIPTORS: *Polyvinyl chloride, Plasticizers, Vinyl plastics.</p> <p>(Materials--Plastics, TT, v. 9, no. 7)</p>	<p>62-20357</p> <p>I. Stalger, H. II. Held, F</p> <p>Office of Technical Services</p>
--	---

62-20359

Snoek, J. L.
TIME-DEPENDENT PHENOMENA UNDER THE IN-
FLUENCE OF MECHANICAL AND MAGNETIC
FORCES IN MATERIALS CONTAINING IRON.
18 Nov 47, 9p. (figs. formulae omitted).
Order from SIA \$1.10

J. Snoek, J. L.

Trans. of Schweizer Arch[iv für Angewandte Wissen-
schaft und Technik] 1947, v. 13, no. 1, p. 9-14.

DESCRIPTORS: *Ferromagnetic materials, Ferrites,
Relaxation time, *Iron, Magnetic properties,
Elasticity.

(Physics--Magnetism, TT, v. 9, no. 12)

Office of Technical Services

The Sonograph Elements and Principles. by J. Dreyfus,
20 pp.

0-100

GERMAN, per, Schweiz Arch. Vol XIV, No 12, Dec 1948,
pp 353-362

SLA 57-1110

6el . Electronics
Jan 58

58,146

Clinical and Anatomical Studies on Apraxia, by
R. Brun, 55 pp.

GESMAN, per, Schweizer Archiv für Neurologie und
Psychiatric, Vol IX, 1921, pp 42-64.

NIN Tr 5-25

SKI - Med
May 58

64, 291

